

**List of Coursebooks - Bachelor's Degree Programme - 3rd Semester
Faculty of Life Sciences & Technology, Department of Chemical Engineering -
Concentration of Pharmaceutical Engineering - 2018/2019**

| | Subject | Books | Prices | Notes |
|---|---|--|----------------------|-----------------------------|
|  | Introduction to Pharmaceutical Engineering | Basic principle and calculation in chemical engineering, 8e Himmelblau Pearson ISBN 9780132835565 | Rp. 380.000 | Adopted since April 2017 |
| | Material and Energy Balance | | | Adopted since April 2015 |
|  | Transport Phenomena | Fluid mechanics for chemical engineering, 3e Nevers McGraw-Hill ISBN 9780071238243 | Rp. 400.000 | Adopted since February 2015 |
|  | Pharmaceutical Chemistry | Ansel's Pharmaceutical dosage form and drug delivery systems, 11e Allen LWW ISBN 9781496347282 | Available on demand | |
| | Pharmaceutical Chemistry Laboratory | Handout | | |
| | Analytical Instrumentation | Handout | | |
| | Good Manufacturing Practice (GMP) and Pharmaceutical Code | Handout | | |
| Total | | | Rp. 780.000,- | |